

## C Series

Networkable hearing loop drivers

C5

1

C5

2

C7

1

C7

2

- Performance, consistency and certainty of results
- Intuitive digital interface
- Fast, accurate setup and adjustment



The C Series hearing loop drivers from Ampetronic marks a substantial development in assistive listening technology.

- Performance, consistency and certainty of results, for the price of a mid-range driver
- Simple digital interface for accurate setup and adjustment
- Low running and maintenance costs

### Network connectivity

- Remote control monitoring and commissioning
- Fault condition alerts via email or Telnet
- Integrate with building management systems
- Loop resistance and inductance measurement
- Configurable metal loss compensation

For more information on hearing loop design, meeting regulatory standards or hearing loop installations contact our friendly and knowledgeable team on: +44 (0) 1636 610062 or email: [sales@ampetronic.co](mailto:sales@ampetronic.co)

Energy efficient amplifiers in the following options:

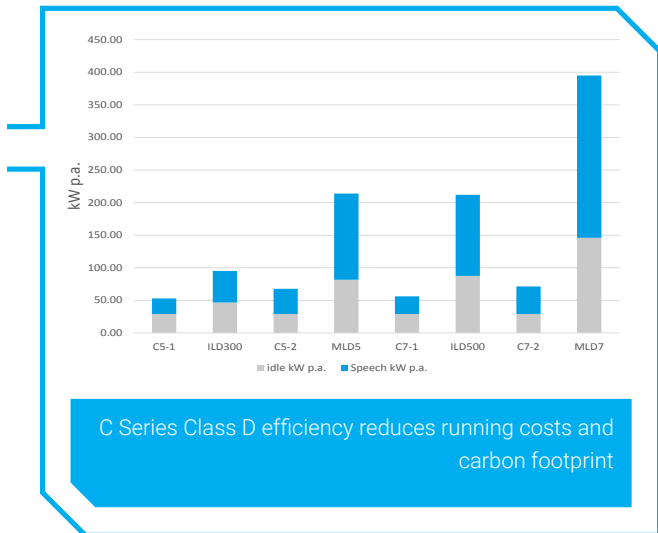
- Perimeter loop drivers
  - **C5-1** –  $\sim 5A_{RMS}$  output, single channel,  $20V_{RMS}$
  - **C7-1** –  $\sim 7A_{RMS}$  output, single channel,  $20V_{RMS}$
- MultiLoop™ drivers
  - **C5-2** –  $\sim 5A_{RMS}$  output, two channels,  $20V_{RMS}$
  - **C7-2** –  $\sim 7A_{RMS}$  output, two channels,  $20V_{RMS}$
- Simple digital interface for accurate adjustment
- Network and stand-alone options
- Built-in test tones
- Clear indicators and system diagnostics
- Compact 1U rack mount unit with internal power supply
- Optimised for speech frequencies with unmatched intelligibility and capable of high quality musical reproduction
- Industry standard Phoenix connectors
- Data compliant with IEC 62489-1 Standard
- 100V line input

**AMPETRONIC**



C5-2 Hearing loop driver

<p><b>Input 1 and 2</b> 3 way 3.5mm euroblock screw terminal input</p> <p><b>Microphone / Line</b> Microphone specification; 200 - 600Ω, Selectable 24V phantom power on microphone only</p> <p><b>100V Line</b> 2 way 5mm euroblock screw terminal (supplied)</p> <p><b>Loop Output Drive Voltage</b> 20V<sub>RMS</sub> (28Vpk) at maximum output current per channel</p> <p><b>Loop Output Drive Current</b> <b>C5-X</b> 5A<sub>RMS</sub> (7Apk) up to 60 seconds continuous 1kHz sine wave, peak &gt;7A per channel Cont. pink noise 2.3A<sub>RMS</sub></p> <p><b>C7-X</b> 7A<sub>RMS</sub> (10Apk) up to 60 seconds continuous 1kHz sine wave, peak &gt;10A per channel Cont. pink noise 3.3A<sub>RMS</sub></p>	<p><b>Loop Connectors</b> 4 way 5mm euroblock screw terminal (supplied) for each output, for star-quad configured feed cables</p> <p><b>DC Output</b> 2 way 3.5mm euroblock screw terminal Re-settable, fuse protected 12V 0.1A.</p> <p><b>Line Output</b> 3 way 3.5mm euroblock screw terminal (supplied) post AGC balanced output</p> <p><b>Automatic Gain Control</b> The AGC is optimised for speech. Dynamic range &gt;36dB</p> <p><b>Metal Loss Compensation</b> Dual slope configurable MLC up to 4dB per octave</p> <p><b>Phase Shift</b> User selectable (network models only) at 0° or 90° between outputs</p> <p><b>Size</b> Full width 1U 19" rack mount. Width 430mm Depth 190mm Height 44mm</p>
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**Standards compliance to IEC 62489-1**

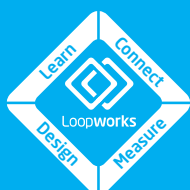
C Series amplifiers are designed to form part of a system which can meet all requirements of international loop performance standard IEC 60118-4, and relevant parts of BS 7594. To fully meet requirements of these standards, correct design, installation, commissioning and maintenance are required.

Ampetronic drivers have CE mark and Regulatory Compliance Mark (RCM) to all relevant safety and EMC standards. C Series drivers are MET Labs approved for sale in North America.



- Installation accessories
- Signage
- Testing and measurement systems
- System design support
- Training and continuous personal development (CPD)
- Loopworks™ design and specification tools

Providing a genuine benefit.



To find out more about the C Series talk with our experts on:  
+44 (0) 1636 610062  
or email: sales@ampetronic.co

**AMPETRONIC**®

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